

Converting Colors

CIELCh(46, 2.503, 90.429)

Have a look what the booklet for
CIELCh(46, 2.503, 90.429) contains.

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Color

CIELCh(46, 2.499, 90.434)

Conversions

Conversions Part 1

Format	Color
Hex	6F6D69
RGB	111, 109, 105
RGB Percent	44%, 43%, 41%
CMY	0.5656, 0.5734, 0.5891
CMYK	0.00, 0.02, 0.05, 0.57
HSL	40°, 3%, 42%
HSV	40°, 5%, 43%
XYZ	14.5093, 15.2687, 15.4861
YIQ	109.1420, 2.4760, -0.8200

Conversions

Conversions Part 2

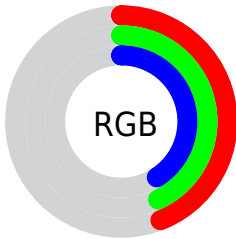
Format	Color
RYB	108, 111, 105
Decimal	7302505
CIELab	46.00, -0.02, 2.50
CIElCh	46, 2.499, 90.434
Yxy	15.2687, 0.3205, 0.3373
Android (android.graphics.Color)	4285492585 (0xFF6F6D69)
YUV	109.1420, -2.0420, 1.6295
Hunter-Lab	39.0751, -2.1011, 3.8550

Details

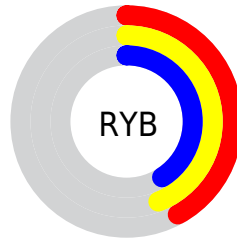
The CIELCh color $46, 2.499, 90.434$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $45, 2.508, 271.862$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 2.480, 82.103$, and $26, 2.642, 99.598$ is the 20% darker color. If you saturate the color by 10%, you get $45, 7.200, 89.309$, and if you desaturate by 10%, it is $47, 2.106, 271.752$.

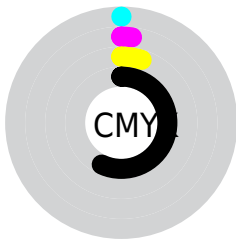
Distribution



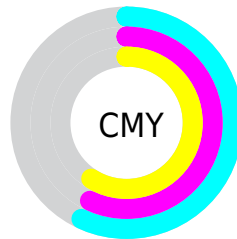
- Red (44%)
- Green (43%)
- Blue (41%)



- Red (42%)
- Yellow (44%)
- Blue (41%)



- Cyan (0%)
- Magenta (2%)
- Yellow (5%)
- Black (57%)



- Cyan (57%)
- Magenta (57%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 2.499, 90.434 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 46, 2.499, 90.434 by changing the saturation by 10% instead.

■ 46, 2.499, 90.434 ■ 46, 2.499, 90.434

■ 100, 2.499, 90.434 ■ 36, 2.499, 90.434

■ 66, 2.499, 90.434 ■ 26, 2.499, 90.434

■ 76, 2.499, 90.434 ■ 16, 2.499, 90.434

■ 86, 2.499, 90.434 ■ 6, 2.499, 90.434

■ 96, 2.499, 90.434 ■ 0, 2.499, 90.434

■ 46, 2.499, 90.434 ■ 46, 2.499, 90.434

■ 45, 7.200, 89.309 ■ 47, 2.106, 271.752

■ 43, 11.992, 88.085 ■ 49, 6.622, 272.809

■ 42, 16.865, 86.819 ■ 50, 11.051,

41, 21.791, 85.517	273.861
40, 26.717, 84.175	52, 15.399, 274.871
38, 31.535, 82.779	53, 19.674, 275.835
37, 36.061, 81.296	55, 23.880, 276.751
36, 39.987, 79.656	56, 28.023, 277.621
35, 43.105, 77.820	58, 32.108, 278.446
	59, 36.139, 279.227

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



46, 2.499, 90.434



45, 2.508, 271.862

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46, 2.499, 90.434



46, 2.499, 140.434



46, 2.499, 270.434



46, 2.499, 320.434

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



46, 2.500, 90.463



59, 1.129, 90.751



45, 2.758, 354.053



30, 0.637, 90.756



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46, 2.500, 90.463



58, 3.415, 90.383



46, 3.569, 116.340



23, 1.839, 90.366



37, 47.270, 76.834



74, 80.631, 75.107

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



45, 2.508, 271.862



57, 3.423, 271.947



45, 3.618, 297.081



22, 1.843, 271.965



19, 53.810, 295.193



42, 97.474, 297.282

Previews

White Background



This preview shows how the CIELCh color 46, 2.499, 90.434 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 46, 2.499, 90.434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

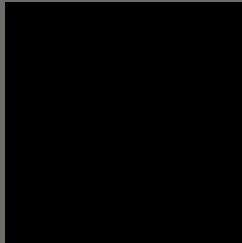
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

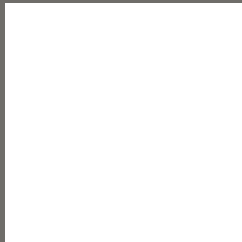
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 2.499, 90.434

Background



This preview shows how black text looks on a background with the CIELCh color 46, 2.499, 90.434.



This preview shows how white text looks on a background with the CIELCh color 46, 2.499, 90.434.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color


46, 2.499, 90.434

Protanopia

46, 2.422, 66.554

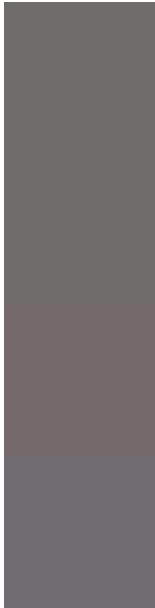
Deuteranopia

46, 6.735, 20.186



Tritanopia
46, 5.745, 311.283

Trichromacy



Original Color

46, 2.499, 90.434

Protanomaly

46, 2.422, 66.554

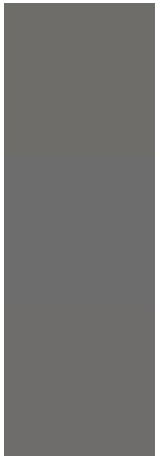
Deuteranomaly

46, 4.643, 27.197

Tritanomaly

46, 2.898, 324.569

Monochromacy



Original Color

46, 2.499, 90.434

Achromatopsia

46, 0.006, 296.813

Achromatomaly

46, 1.245, 90.685

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 2.499, 90.434 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(111, 109, 105)` looks like.

```
.text, #text, p{  
    color:rgb(111, 109, 105)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(111, 109, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 109, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 2.499, 90.434 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(111, 109, 105) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(111, 109, 105) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(111, 109, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 109, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 109, 105);  
box-shadow:4px 4px 4px 4px rgb(111, 109,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 2.499, 90.434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 109, 105) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(111,  
109, 105) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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